

**METHOD AND APPARATUS TO TUNE ROTOR'S TORSIONAL NATURAL
FREQUENCY BY GEOMETRY OF ROTOR WINDING SLOT**

Abstract of the Disclosure

A method and apparatus for tuning the torsional natural frequency of a rotor is disclosed. At least one tuning slot is formed within the winding
5 slots defined by radially projecting winding teeth. The tuning slot extends radially inward from the bottom of the winding slot a distance to tune the rotor to a desired torsional natural frequency. This tuning slot can be positioned preferably at the quadrature axis.

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